

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>4183.7W001</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 95/07686</b>	International filing date ( <i>day/month/year</i> ) <b>16 June 1995</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>7 June 1995</b>
Applicant <b>INFI-SHIELD, INC</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).
2. ☐ Unity of invention is lacking (See Box II).
3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
  - ☐ filed with the international application.
  - ☐ furnished by the applicant separately from the international application,
    - ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
  - ☐ transcribed by this Authority.
4. With regard to the title, ☐ the text is approved as submitted by the applicant.  
☒ the text has been established by this Authority to read as follows:  
**Method and article for sealing sewer and water applications.**
5. With regard to the abstract,
  - ☒ the text is approved as submitted by the applicant.
  - ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:  
Figure No. 1 ☐ as suggested by the applicant. ☐ None of the figures.  
☒ because the applicant failed to suggest a figure.  
☐ because this figure better characterizes the invention.

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: E02D 29/12, F16L 55/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: E02D, E03F, F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US, A, 4475845 (F.J. ODILL ET AL), 9 October 1984 (09.10.84), column 5, line 9 - line 13; column 6, line 36 - line 40, figure 5, abstract	1-8, 15-20
Y	--	9-14, 21-24
X	US, A, 4465309 (H.E. NIMKE ET AL), 14 August 1984 (14.08.84), column 1, line 18 - line 22; column 2, line 55 - line 64, figure 1	25-28
Y	--	29

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- \* "A" document defining the general state of the art which is not considered to be of particular relevance
- \* "B" earlier document but published on or after the international filing date
- \* "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \* "O" document referring to an oral disclosure, use, exhibition or other means
- \* "P" document published prior to the international filing date but later than the priority date claimed

\* "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\* "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\* "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\* "&amp;" document member of the same patent family

Date of the actual completion of the international search

21 Sept 1995

Date of mailing of the international search report

- 2. 11. 95

Name and mailing address of the International Searching Authority



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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO, A1, 8800314 (LEO TAURUS STORAGE PTY. LTD.), 14 January 1988 (14.01.88), page 2, line 6 - line 18, figure 5	30-35
Y	--	36-39
Y	US, A, 4756337 (R.A. SETTINERI), 12 July 1988 (12.07.88), column 2, line 24 - line 28; column 4, line 60 - line 63; column 5, line 39 - line 45, figure 1, abstract	9-14, 21-24, 29, 36-39
Y	--	
Y	US, A, 4469467 (F.J. ODILL ET AL), 4 Sept 1984 (04.09.84), abstract	30-35
Y	--	
Y	GB, A, 2221010 (MEASURING & CONTROL EQUIPMENT CO PTY LIMITED), 24 January 1990 (24.01.90), page 11	30-35
A	--	
A	US, A, 4357961 (D.K. CHICK), 9 November 1982 (09.11.82)	9-14, 21-24, 29, 36-39
A	--	
A	US, A, 4796669 (H.S. ST. ONGE), 10 January 1989 (10.01.89)	25-29
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## Information on patent family members

28/08/95

International Application No.

PCT/US 95/07686

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US-A-	4475845	09/10/84	CA-A-	1220659	21/04/87
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WO-A1-	8800314	14/01/88	AU-A-	7705887	29/01/88
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			FR-A,B-	2310523	03/12/76
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			JP-A-	52014217	03/02/77
			JP-B-	58054318	03/12/83
			NL-A-	7605068	16/11/76
			US-A-	4552183	12/11/85
US-A-	4796669	10/01/89	US-A-	4958959	25/09/90
			US-A-	5078430	07/01/92